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2/5/1 (Item 1 from file: 351)
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009721514 **Image available**
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Image scanner-reader for controlling read operation due to conditions of host processor - controls restart of reading operation after reducing relative moving speed to slow reading speed when reading

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Number of Countries: 005 Number of Patents: 007
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 576226	A2	19931229	EP 93304813	A	19930621	199401 B
JP 6004652	A	19940114	JP 92162552	A	19920622	199407
JP 6014159	A	19940121	JP 92165856	A	19920624	199408
EP 576226	A3	19940216	EP 93304813	A	19930621	199518
US 5517331	A	19960514	US 9379783	A	19930622	199625
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			EP 97201955	A	19930621	
DE 69322316	E	19990114	DE 622316	A	19930621	199908
			EP 93304813	A	19930621	

Priority Applications (No Type Date): JP 92165856 A 19920624; JP 92162552 A 19920622

Cited Patents: No-SR.Pub; 5.Jnl.Ref; EP 212487; EP 320756; EP 430452; EP 458693; EP 466461; EP 74795; EP 81767; JP 1264062; JP 55150662; JP 57148467; JP 59041054; US 4160279; US 4748514

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
EP 576226	A2	E 28	H04N-001/04	
Designated States (Regional): DE FR GB				
US 5517331	A	26	H04N-001/04	Cont of application US 9379783
EP 576226	B1	E	H04N-001/04	Related to application EP 97201955
Related to patent EP 804016				
Designated States (Regional): DE FR GB				
DE 69322316	E		H04N-001/04	Based on patent EP 576226
JP 6004652	A		G06F-015/66	
JP 6014159	A		H04N-001/04	
EP 576226	A3		H04N-001/04	

Abstract (Basic): EP 576226 A

The image scanner-reader includes an image read unit (1, 2, 3) and an employing control unit (11, 12, 13, 14). The image read unit is used to read an original document (10). When an original document reading operation is suspended, the restart of the reading operation is controlled after decreasing the relative moving speed to a slow reading speed of the original document (10).

When the image data buffer (9) becomes full enough to cause a suspension state, and the read operation is restarted after changing control conditions, so that the quantity of data transferred to the image data buffer (9) is reduced.

ADVANTAGE - Reduces number of restart operations and improves overall read speed without increasing data receiving speed of host device. Reduces processing time when series of instructions are given for same data.

Dwg.3/19

Title Terms: IMAGE; SCAN; READ; CONTROL; READ; OPERATE; CONDITION; HOST; PROCESSOR; CONTROL; RESTART; READ; OPERATE; AFTER; REDUCE; RELATIVE; MOVE; SPEED; SLOW; READ; SPEED; READ

Derwent Class: W02

International Patent Class (Main): G06F-015/66; H04N-001/04
International Patent Class (Additional): G06F-015/64; H04N-001/32;
H04N-001/387
File Segment: EPI
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